



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.04.08 Finance and Credit

Educational Programme "Financial Engineering"

Trajectories: "Business Financing and Project Management", "Financial Market and Investment Management"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

Years of Study: 2023/2024 - 2024/2025

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

APPROVED

30.05.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Block Code	Course	Subject type	Credits	Credits by Years		Planned Educational Programme Development Results
				1	2	
	Degree Programme		120,00	60,00	60,00	
	Financial Market and Investment Management (General track)		120,00	60,00	60,00	
	Key Seminars		18,00	9,00	9,00	
1	Research Seminar "Contemporary Problems of Development of Financial Markets"	C	12,00	6,00	6,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
2	Mentor Seminar Financial Market and Investment Management	C	6,00	3,00	3,00	GPC-1.FAC, GPC-4.FAC, PC-3, PC-4, UC-1, UC-2, UC-3, UC-6
	Internship		30,00	6,00	24,00	
	Project Internship		12,00	6,00	6,00	
1	Project "Financial market and investment management"	C	12,00	6,00	6,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Professional Internship		3,00		3,00	
1	Work Experience Internship	C	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Research Internship		15,00		15,00	

1	Preparation of the Final Qualifying Work	C	15,00		15,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Major		54,00	33,00	21,00	
	Elective Courses		54,00	33,00	21,00	
	Elective Disciplines Year 1		12,00	12,00		
1	Financial Statements Analysis	E	3,00	3,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, PC-2, PC-3, PC-4, UC-1, UC-2
2	Construction of Structured Financial Products	E	3,00	3,00		GPC-2.FAC, GPC-3.FAC, PC-2, PC-3, UC-2, UC-3, UC-4, UC-5
3	World Financial Markets (offered in a foreign language)	E	3,00	3,00		GPC-1.FAC, GPC-4.FAC, PC-1, PC-4, PC-6, UC-1, UC-4, UC-5, UC-6
4	Analysis of financial markets (fundamental analysis)	E	3,00	3,00		GPC-2.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-5, UC-1, UC-2
5	Blockchain, Ffinancia Technologies and Cryptoeconomics	E	3,00	3,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-2, PC-3, PC-5, PC-6, UC-1, UC-3, UC-4, UC-6
	Elective Disciplines Year 2		12,00		12,00	
1	Corporate Governance and Behavioral Economics	E	3,00		3,00	GPC-1.FAC, GPC-4.FAC, PC-1, PC-3, PC-6, UC-1, UC-2
2	Private equity and venture capital	E	3,00		3,00	GPC-1.FAC, GPC-2.FAC, PC-1, PC-3, PC-4, UC-2, UC-3, UC-4
3	Personal Money Management (offered in a foreign language)	E	3,00		3,00	GPC-2.FAC, GPC-4.FAC, PC-2, PC-3, UC-1, UC-2, UC-4
4	Countering Unfair Practices	E	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-6, UC-4, UC-5, UC-6
5	Structured Financing	E	6,00		6,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-4, PC-5, UC-1, UC-2, UC-3, UC-4
	Compulsory Courses 2 Year		9,00		9,00	
1	Financial Markets:Problems and Decisions	C	6,00		6,00	GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, UC-1, UC-2, UC-3
2	Theory of Finance	C	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, UC-1, UC-3
	Compulsory Courses 1 Year		21,00	21,00		
1	Construction and Management of Investment Portfolio	C	3,00	3,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-6, UC-1, UC-2, UC-3, UC-5

2	Macroeconomics (Advanced Level)	C	6,00	6,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-4, UC-1, UC-2, UC-4
3	Financial Markets, Institutions and Instruments	C	6,00	6,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-3, PC-4, PC-5, PC-6, UC-1, UC-3, UC-6
4	Econometrics (Advanced Level)	C	6,00	6,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-4, PC-5, UC-1, UC-3, UC-5, UC-6
	Magolego		15,00	12,00	3,00	
1	All-university Pool MAGOLEGO Courses	E	15,00	12,00	3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-3, PC-4, UC-5, UC-6
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Business Financing and Project Management (Applied track)		120,00	60,00	60,00	
	Key Seminars		18,00	9,00	9,00	
1	Research Seminar "Contemporary Problems of Development of Financial Markets"	C	12,00	6,00	6,00	GPC-1.FAC, GPC-3.FAC, PC-3, PC-4, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
2	Mentor Seminar Business Financing and Project Management	C	6,00	3,00	3,00	GPC-1.FAC, GPC-4.FAC, PC-1, PC-2, PC-6, UC-1, UC-2, UC-3
	Internship		30,00	6,00	24,00	
	Project Internship		12,00	6,00	6,00	
1	Project Business Financing and Project Management	C	12,00	6,00	6,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-4, UC-1, UC-2, UC-3, UC-4
	Professional Internship		3,00		3,00	
1	Work Experience Internship	C	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, UC-1, UC-2, UC-3, UC-4, UC-5
	Research Internship		15,00		15,00	
1	Preparation of the Final Qualifying Work	C	15,00		15,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Major		54,00	33,00	21,00	
	Elective Courses		54,00	33,00	21,00	
	Elective Disciplines Year 1		12,00	12,00		

1	Financial Risk Management	E	3,00	3,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-2, PC-3, UC-1, UC-4, UC-6
2	Financial Statements Analysis	E	3,00	3,00		GPC-2.FAC, GPC-3.FAC, PC-1, PC-4, UC-1, UC-2
3	Construction of Structured Financial Products	E	3,00	3,00		GPC-2.FAC, GPC-3.FAC, PC-1, PC-2, PC-3, PC-4, UC-2, UC-3, UC-4, UC-5
4	World Financial Markets (offered in a foreign language)	E	3,00	3,00		GPC-1.FAC, GPC-4.FAC, PC-1, PC-3, PC-4, UC-4, UC-5, UC-6
5	Blockchain, Ffinancia Technologies and Cryptoeconomics	E	3,00	3,00		GPC-1.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-3, PC-5, UC-1, UC-3, UC-4
6	Analysis of financial markets (fundamental analysis)	E	3,00	3,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-4, UC-1, UC-3, UC-4, UC-6
Elective Disciplines Year 2			12,00		12,00	
1	IT for Financials	E	6,00		6,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-5, UC-1, UC-3, UC-4, UC-6
2	Analysis and Evaluation of Investment Projects	E	3,00		3,00	GPC-3.FAC, GPC-4.FAC, PC-3, PC-4, UC-2, UC-3, UC-6
3	Applied Financial Engineering Models Using Python Libraries	E	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, UC-4, UC-6
4	Stochastic Models in Finance (offered in a foreign language)	E	3,00		3,00	GPC-2.FAC, GPC-3.FAC, PC-3, PC-4, UC-1, UC-4, UC-5
5	Investment Strategies for a Conservative Investor	E	6,00		6,00	GPC-2.FAC, GPC-3.FAC, PC-1, PC-2, PC-4, UC-1, UC-2, UC-3
6	Corporate Governance and Behavioral Economics	E	3,00		3,00	GPC-1.FAC, GPC-4.FAC, PC-1, PC-6, UC-1, UC-2
Compulsory Courses 2 Year			9,00		9,00	
1	Theory of Finance	C	3,00		3,00	GPC-2.FAC, GPC-3.FAC, PC-1, PC-2, PC-3, PC-4, UC-1
2	Financial Markets:Problems and Decisions	C	6,00		6,00	GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, UC-1, UC-2
Compulsory Courses 1 Year			21,00		21,00	
1	Construction and Management of Investment Portfolio	C	3,00	3,00		GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-2, PC-3, PC-4, UC-3, UC-4, UC-6
2	Macroeconomics (Advanced Level)	C	6,00	6,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-2, PC-4, PC-6, UC-1, UC-2, UC-3, UC-6
3	Financial Markets, Institutions and Instruments	C	6,00	6,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-3, PC-4, PC-5, UC-3, UC-4

4	Econometrics (Advanced Level)	C	6,00	6,00		GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-6, UC-1, UC-3, UC-4
	Magolego		15,00	12,00	3,00	
1	All-university Pool MAGOLEGO Courses	E	15,00	12,00	3,00	GPC-1.FAC, GPC-4.FAC, PC-1, PC-2, UC-4, UC-6
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-1.FAC, GPC-2.FAC, GPC-3.FAC, GPC-4.FAC, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6

**Curriculum agreed:**

Academic Supervisor BERZON N.I. 29.05.2023

Dean PEKARSKIY S.E. 29.05.2023

Head of Centre for  
Educational Model Design LEPESHKIN I.A. 29.05.2023

\* Subject type:

Compulsory course C

Elective course E